

Organic Chemistry Nomenclature Graphic Organizer

Type of Compound	Generic Formula	Rule for Naming	Example (Structure & Name)
Alkane			
Alkene			
Alkyne			
Alcohol			
Halides			
Ether			
Amine			
Ketone			
Ester			
Carboxylic acid			
Aldehyde			

Organic Prefixes

# of Carbons	Prefix	# of Carbon	Prefix
1	Meth-	6	Hex-
2	Eth-	7	Hept-
3	Prop-	8	Oct-
4	But-	9	Non-
5	Pent-	10	Dec-

Carbon Side Groups:

Group	Name
$\text{CH}_3\text{—}$	Methyl
$\text{CH}_3\text{CH}_2\text{—}$	Ethyl
$\text{CH}_3\text{CH}_2\text{CH}_2\text{—}$	Propyl
$\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{—}$	Butyl
$\begin{array}{c} \text{CH}_3 \\ \\ \text{HC—} \\ \\ \text{CH}_3 \end{array}$	Isopropyl
$\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_3\text{—C—} \\ \\ \text{CH}_3 \end{array}$	<i>t</i> -Butyl